

REMARKS

✓ Newly submitted claims 21-34 remain in this application.

Claims 1-20 have been cancelled.

Claims 1-20 of this application were rejected as anticipated by USP 6,170,060 to Mott et al.

Summary of USP 6,170,060 to Mott et al:

The Mott et al patent provides for targeting a particular digital playback device by (1) embedding a device-ID or a group-ID in the digital playback device, and (2) embedding a device-ID or a group-ID in digital information files that are sent to all digital playback devices.

When the digital playback devices receive a digital information file, IDs within the digital information file are compared to IDs within the digital playback devices, and the digital information file is played by only those digital playback devices whose IDs match that of the digital information file.

FIG. 2 provides two sites, i.e. a client-site 210 and a library-site 270.

Client-site 210 that includes a mobile playback device 212, and library-site 250 includes a library-server 260 and an authorizing-server 270.

Mott et al provides for the on-demand selection of digital programming wherein an authoring-system 280 (shown in detail in FIG. 3) within library-site 250 edits, indexes, compresses, scrambles, segments and catalogs digital information into digital information files that are then stored in mass-storage 241 or on library-server 250.

The targeting protocol of Mott et al limits the playback of digital information to a specific player 212, or to a set of playback devices 212 that are identified by a group-ID 225 (see 225 of FIG. 2), wherein each player 212 contains a unique player-ID 223 (see 223 of FIG 2).

As shown in FIG. 2, library-server 260 includes a player-ID table 266.

Player IDs and group IDs are sent to library-server 260 when a client-site 210 desires a particular digital information file that is stored on library-server 260, whereupon library-management-software 261 consults player-ID table 266 to located the corresponding ID.

Because data that is thereafter sent from library-site 250 includes an ID that is known only by the targeted player(s), only the targeted player(s) is able to unscramble and read this data (col. 13, lines 44-53).

As stated at col. 18, lines 23-36, and with reference to FIG. 2, in the following manner only an authorized playback device 212 plays a digital information file that is received from library-site 250.

First, each playback device 212 is embedded with a unique player-ID 223 and an optional group-ID 225, and these two IDs of each playback-device 212 are then stored into the player-ID table 266 that is within library-site 250.

When a digital information file is requested by a particular playback-device 212, library-site 250 receives the request, refers to player-ID table 266, and then embeds IDs that identify this particular playback-device 212 into the requested-digital-information-file.

This requested-digital-information-file, including the embedded IDs, is then transmitted to all playback-devices 212.

Software within each playback-device 212 now inspects the IDs that are embedded in the received digital information file. If at least one of the embedded-IDs matches that playback-device's player-ID or group-IDs, that playback-device plays the received digital information file.

Mott et al's targeting protocol is described at col. 12, lines 19-33 wherein it is stated that the unique player ID 223 within a FIG. 2 playback-device 212 comprises a public player ID and a private player ID. The public player ID serves as a serial number for player identification. The private player ID is used to target data for individual playback-devices 212, and the private player IDs are never sent through any communications link, except during installation.

Argument for the patentability of the claims remaining in this application:

This application relates to means for embedding a watermark into digital data in order to copyright-protect the data. In addition, the embedded watermark is embedded through a transformation of the data that is to be copyright-protected. For example, see the specification at page 1, lines 6-16, and at page 4, lines 10-13.

In order to more completely define the present invention over the Examiner's citations, all claims have been cancelled, and new claims have been submitted to define the above provision of a watermark that is embedded through a transformation of the data that it watermarks.

With reference to the Mott et al patent, all that this patent teaches is the provision of IDs within transmitted-data so that only those playback-devices for which the transmitted-data is targeted can play the transmitted-data.

Mott et al does not deal with copyright protection, and certainly Mott et al does not teach the use of copyright protection by way of watermarks that are formed as a transformation of the data that is copyright protected.

No claim related fees are believed to be due with this response. In the event any such fees are due, please debit Deposit Account 08-2623.

The application now appearing to be in form for allowance, reconsideration and allowance thereof is respectfully requested.

Respectfully submitted,

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MARKED UP VERSION

IN THE SPECIFICATION:

On page 11, delete the paragraph that begins at line 21, and insert the following paragraph:

Block 892 is a statistical processing circuit block for performing statistical processing of the values stored in the accumulation memory. Block [897]894 is a detected result determination circuit block for determining a value of embedded additional information from its preceding stage and for issuing an indication to the stream conversion circuit. Block 896 is a scramble circuit block for performing authentication with a recording device and for scrambling such stream that is found to contain the additional information.

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